

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**PATENT APPLICATION TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



Sir:

Transmitted herewith for filing pursuant to 37 C.F.R. §1.53 is the patent application of:

**INVENTORS:**

Minoru NUMAGUCHI  
c/o ISHIZUKA GARASU KABUSHIKI KAISHA  
11-15, Takatsuji-cho, Showa-ku  
Nagoya-shi, Aichi 466-8721  
JAPAN

Makio NOMURA  
c/o ISHIZUKA GARASU KABUSHIKI KAISHA  
11-15, Takatsuji-cho, Showa-ku  
Nagoya-shi, Aichi 466-8721  
JAPAN

**FOR: ANTIBACTERIAL GLASS COMPOSITION AND ANTIBACTERIAL POLYMER  
COMPOSITION USING THE SAME**

Enclosed are:

- ☐ 0 (zero) sheets of drawings.
- ☒ An Assignment of the invention to: ISHIZUKA GARASU KABUSHIKI KAISHA
- ☒ An associate power of attorney.
- ☐ A Notice of Informal Filing of New Patent Application.
- ☒ An Information Disclosure Statement and accompanying references.
- ☒ Certified copy of Japanese priority application No. 2003-054716

The filing fee is calculated as follows:

	CLAIMS AS	FILED	SMALL ENTITY		OTHER THAN A SMALL ENTITY
FOR	NO. FILED	NO. EXTRA	RATE FEE		RATE FEE
BASIC FEE			\$385		\$ 770
Total Claims	6-20=	-0-	x9=	or	x18=
Indep claims	1-3=	-0-	X43= -0-	or	x86=
[ ] Multiple	Dep claims		+140= -0-	or	+280=
			TOTAL		TOTAL \$770

  X   Checks in the amount of \$770 (for the initial filing fee) and \$ 40 (for the Recordation of Assignment) are enclosed.

       The Commissioner is hereby authorized to charge \$    to Deposit Account No. 20-1424 for the filing fee listed above.

       The Commissioner is hereby authorized to charge \$    to the credit card identified in the attached Credit Card Payment Form for the filing fee listed above.

  X   The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 20-1424. A duplicate copy of this sheet is attached.

  x   Any additional fees under 37 CFR 1.16 for the presentation of extra claims.

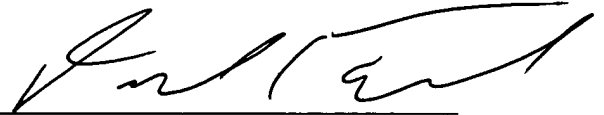
  x   Any patent application processing fees under 37 CFR 1.17.

  X   The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 20-1424. A duplicate copy of this sheet is attached.

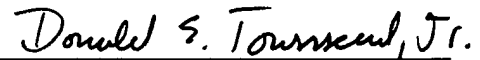
  x   Any patent application processing fees under 37 CFR 1.17, including extension of time fees.

  x   Any filing fees under 37 CFR 1.16 for the presentation of extra claims.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Donald E. Townsend", written over a horizontal line.

Donald E. Townsend  
Reg. No. 22,069

A handwritten signature in black ink, appearing to read "Donald E. Townsend, Jr.", written over a horizontal line.

Donald E. Townsend, Jr.  
Reg. No. 43,198

Date: November 26, 2003

LAW OFFICES OF TOWNSEND & BANTA  
Suite 900, South Building  
601 Pennsylvania Ave., N.W.  
Washington, D.C. 20004  
(202) 220-3124

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of**  
M. Numaguchi, et al.

**Serial No.:** To Be Assigned

**Art Unit:** To Be Assigned

**Filed:** Concurrently herewith

**Examiner:** To Be Assigned

**For:** ANTIBACTERIAL GLASS COMPOSITION AND ANTIBACTERIAL POLYMER  
COMPOSITION USING THE SAME

**TRANSMITTAL**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

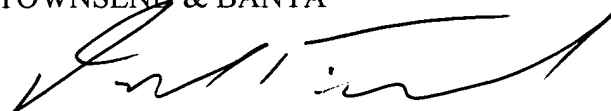
Sir:

In accordance with the provisions of 37 CFR 1.55 and the requirements of 35 U.S.C. 119, attached hereto is a certified copy of the priority application, Japanese Patent Application No. 2003-054716 filed February 28, 2003.

It is respectfully requested that applicant be granted the benefit of the filing date of the foreign application and that receipt of this priority document be acknowledged in due course.

Respectfully submitted,

TOWNSEND & BANTA



Donald E. Townsend  
Reg. No. 22,069

*Donald E. Townsend, Jr.*

Donald E. Townsend, Jr.  
Reg. No. 43,198

Date: November 25, 2003

TOWNSEND & BANTA  
601 Pennsylvania Ave., N.W.  
Suite 900, South Building  
Washington, D.C. 20004  
(202) 220-3124